

MAJORIS CFR258 - 8229

Polypropylene

AD majoris

Message:

CFR258 - 8229 is a low halogen flame retardant compound with glass/mineral reinforced UL 94 V2 intended for injection moulding. The product is available in natural (CFR258) but other colours can be supplied on request.

CFR258 - 8229 produces very low level of toxicity and low smoke density in the case of a fire.

APPLICATIONS

CFR258 - 8229 is intended for the injection moulding for the automotive applications and electrical components.

Sockets

Electrical parts

Miscellaneous technical components

General Information			
Filler / Reinforcement	Glass \Mineral		
Additive	Flame retardancy		
Features	Low Halogen Content		
	Low smoke		
	Low toxicity		
	Recyclable materials		
	Flame retardancy		
Uses	Electrical components		
	Application in Automobile Field		
Appearance	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0	g/10 min	ISO 1133
Molding Shrinkage (2.00 mm)	0.90	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	45.0	MPa	ISO 527-2/5
Tensile Strain (Break)	3.0	%	ISO 527-2/5
Flexural Modulus ¹	3300	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-40°C	3.0	kJ/m ²	ISO 179
23°C	5.0	kJ/m ²	ISO 179

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	155	°C	ISO 75-2/B
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.60 mm	V-2		UL 94
3.20 mm	V-2		UL 94
Glow Wire Flammability Index (2.00 mm)	960	°C	IEC 60695-2-12
Oxygen Index	26	%	ISO 4589-2
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	200 - 240	°C	
Mold Temperature	30.0 - 50.0	°C	
Injection Rate	Moderate		
Injection instructions			
Holding pressure: 50 to 70% of the injection pressure			
NOTE			
1.	2.0 mm/min		

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